

**=> IFW: Scan as Doc Code: SRNT <=
 Doc Date:**

TC 3700 Inventor Search Program

See attached inventor searches for applications and/or patents to help resolve questions of overlapping subject matter. These searches are provided as an initial examination aid: examiners should perform updated or expanded PALM or EAST inventors searches as appropriate.

Serial Number:

10 / 694540

**1.) See attached printout of inventors listed in
PALM**

**2.) See attached EAST Inventor Search
Printout shows Inventor search terms**

US 20060052037 A1	US- PGPUB	20060309	Vacuum suction holding apparatus and holding method, polishing apparatus using this holding apparatus, and device manufacturing method using this polishing apparatus	451/5	451/285; 451/41; 451/8	Izumi; Shigeto et al.
US 20060037390 A1	US- PGPUB	20060223	Thermal type air flow meter	73/204.21	73/118.2	Nakano; Hiroshi et al.
US 20060033418 A1	US- PGPUB	20060216	Green emitting yttrium silicate phosphor and cathode-ray tube using the same	313/467	313/461; 313/468; 313/469	Noguchi; Yasunobu et al.
US 20060028696 A1	US- PGPUB	20060209	Document reading apparatus, image processing apparatus, image forming apparatus, and copying machine	358/474		Michiie; Norio et al.
US 20050280867 A1	US- PGPUB	20051222	Method and apparatus for processing image data	358/2.1	358/3.27	Arai, Hiroshi
US 20050280857 A1	US- PGPUB	20051222	Apparatus, method, and program for image processing capable of enhancing usability of image data	358/1.13		Sugiyama, Naoki et al.
US 20050259279 A1	US- PGPUB	20051124	Format convertible image processing system, and program	358/1.9	358/1.15; 358/1.16; 358/1.2; 358/3.06; 358/426.1; 358/444	Ohyama, Maki et al.
US 20050253671 A1	US- PGPUB	20051117	Filter	333/204		Hamada, Tomoko et al.
US 20050229694 A1	US- PGPUB	20051020	HEATING RESISTANCE FLOW RATE MEASURING APPARATUS	73/204.15		Matsumoto, Masahiro et al.
US 20050227534 A1	US- PGPUB	20051013	Connector and method of mounting it	439/566		Nakano, Hiroshi
US 20050221786 A1	US- PGPUB	20051006	Radio communication device	455/324		Nakano, Hiroshi et al.
US 20050221772 A1	US- PGPUB	20051006	Harmonic mixer and radio communication device having the same	455/114.1		Nakano, Hiroshi et al.
US 20050221736 A1	US- PGPUB	20051006	Wafer polishing control system for chemical mechanical planarization machines	451/357		Hsin, Yi-Ping et al.
US 20050221666 A1	US- PGPUB	20051006	Connector to be fixed to a device and method of fixing a connector to a device	439/566		Nakano, Hiroshi et al.
US 20050219594 A1	US- PGPUB	20051006	Apparatus and method for generating scanned data in a standard format	358/1.13	358/448	Miyamoto, Isao et al.
US 20050179954 A1	US- PGPUB	20050818	Image processing apparatus resolving dust problem	358/3.26	358/461; 358/463; 358/474	Arai, Hiroshi et al.

US 20050156806 A1	US- PGPUB	20050721	Radio communication system	343/834	340/572.7	Ohta, Tomozo et al.
US 20050148229 A1	US- PGPUB	20050707	Connector	439/352		Matsunaga, Hideki et al.
US 20050143855 A1	US- PGPUB	20050630	Apparatus and method for creating tool path	700/187		Arai, Hiroshi et al.
US 20050136725 A1	US- PGPUB	20050623	Connector	439/350		Matsunaga, Hideki et al.
US 20050124228 A1	US- PGPUB	20050609	Circuit board connector	439/751		Nakano, Hiroshi et al.
US 20050120789 A1	US- PGPUB	20050609	Heating resistor type flow-measuring device	73/204.15		Matsumoto, Masahiro et al.
US 20050076816 A1	US- PGPUB	20050414	Pallet for transporting goods	108/51.11		Nakano, Hiroshi
US 20050055128 A1	US- PGPUB	20050310	Numerically controlled curved surface machining unit	700/194	700/189	Hirai, Junichi et al.
US 20050046881 A1	US- PGPUB	20050303	Image processing apparatus, program, computer-readable storage medium, and image processing method that can use stored image data for various purposes	358/1.9	358/1.13; 358/1.15; 358/1.16; 358/2.1; 358/426.01	Tone, Takeharu et al.
US 20050029662 A1	US- PGPUB	20050210	Semiconductor production method	257/758	257/762; 257/E21.174; 257/E21.584; 438/622; 438/642; 438/678; 438/687	Nakano, Hiroshi et al.
US 20050024666 A1	US- PGPUB	20050203	Copying apparatus, a program, and a storage medium	358/1.13	358/400; 358/474	Ohyama, Maki et al.
US 20050022745 A1	US- PGPUB	20050203	Electroless plating method, electroless plating device, and production method and production device of semiconductor device	118/728	427/443.1	Nakano, Hiroshi et al.
US 20040263890 A1	US- PGPUB	20041230	Image formation apparatus, a program, and a storage medium	358/1.13	358/474	Kawamoto, Hiroyuki et al.
US 20040263884 A1	US- PGPUB	20041230	Facsimile apparatus, a program, and a storage medium	358/1.9	358/1.2; 358/3.26; 358/518; 358/519; 358/534	Arai, Hiroshi et al.
US 20040260049 A1	US- PGPUB	20041223	Aromatic polycarbonate, process for producing the same, polycarbonate composition, and	528/88	528/196	Miyamoto, Masaaki et al.

			hollow container obtained from the same			
US 20040242059 A1	US- PGPUB	20041202	Connector supporting structure and a squeezed amount calculating method	439/532		Aoyama, Masahiko et al.
US 20040181307 A1	US- PGPUB	20040916	Numerically controlled curved surface machining unit	700/194	700/189	Hirai, Junichi et al.
US 20040171316 A1	US- PGPUB	20040902	CONNECTOR AND A CONNECTOR ASSEMBLY	439/752		Takada, Kiyokazu et al.
US 20040169326 A1	US- PGPUB	20040902	Sheet feeding device	271/121		Nakano, Hiroshi et al.
US 20040114172 A1	US- PGPUB	20040617	Method of and apparatus for processing image data, and computer product	358/1.13	358/1.15	Ohyama, Maki et al.
US 20040102561 A1	US- PGPUB	20040527	Powder coating composition	524/449	524/413	Nakano, Hiroshi
US 20040097113 A1	US- PGPUB	20040520	Connector	439/157		Shinozaki, Tetsuya et al.
US 20040086323 A1	US- PGPUB	20040506	Binder	402/73		Tanaka, Kanji et al.
US 20040077230 A1	US- PGPUB	20040422	Connector	439/752		Nakano, Hiroshi
US 20040061278 A1	US- PGPUB	20040401	Rotary clutch device and sheet feeder using the same	271/114		Nakano, Hiroshi
US 20040038021 A1	US- PGPUB	20040226	Semiconductor device and semiconductor package	428/319.3	257/E23.167; 428/209	Nagai, Akira et al.
US 20030221944 A1	US- PGPUB	20031204	Indicator portion forming method for push switch and push switch having an indicator portion	200/512		Arai, Hiroshi et al.
US 20030204951 A1	US- PGPUB	20031106	Inkjet recording head, piezoelectric vibration element unit used for the recording head, and method of manufacturing the piezoelectric vibration element unit	29/890.1		Kitahara, Tsuyoshi et al.
US 20030200005 A1	US- PGPUB	20031023	NUMERICALLY CONTROLLED CURVED SURFACE MACHINING UNIT	700/187		Hirai, Junichi et al.
US 20030175331 A1	US- PGPUB	20030918	Analgesic/antiinflammatory patches for topical use	424/449	514/567	Sasaki, Yasuhiko et al.
US 20030161594 A1	US- PGPUB	20030828	Optical fiber module	385/92		Hasegawa, Junichi et al.
US 20030142946	US- PGPUB	20030731	Optical module	385/137		Saito, Tsunetoshi et al.

AI						
US 20030125827 A1	US- PGPUB	20030703	Method of serving data for numerical control machining unit	700/180	700/159	Arai, Hiroshi et al.
US 20030120375 A1	US- PGPUB	20030626	Apparatus and method for creating tool path	700/187	700/172	Arai, Hiroshi et al.
US 20030103738 A1	US- PGPUB	20030605	Optical fiber module	385/92	385/88	Saito, Tsunetoshi et al.
US 20030098241 A1	US- PGPUB	20030529	Process and apparatus for manufacturing a semiconductor device	205/206	204/198; 204/212; 205/123; 205/207	Homma, Yoshio et al.
US 20030091289 A1	US- PGPUB	20030515	Planar lightwave circuit module and method for manufacturing the same	385/49	385/14	Saito, Tsunetoshi et al.
US 20030079683 A1	US- PGPUB	20030501	Electric plating method, electric plating apparatus, program for plating, recording medium, and manufacturing method and manufacturing apparatus for semiconductor device	118/400	257/E21.175; 438/678	Nakano, Hiroshi et al.
US 20030048989 A1	US- PGPUB	20030313	Planar lightwave circuit and method for compensating center wavelength of optical transmission of planar lightwave circuit	385/37	385/129; 385/14	Kashihara, Kazuhisa et al.
US 20030048927 A1	US- PGPUB	20030313	Grain quality judging sample container, grain quality judger, grain quality judging system, grain image reading device, sample arraying jig for the grain image reading device, sample arraying method, and sample arrayer for the grain image reading device	382/110		Sato, Toshiyuki et al.
US 20030039441 A1	US- PGPUB	20030227	Arrayed waveguide grating optical multiplexer/demultiplexer and method for manufacturing the same	385/37	385/24	Kashihara, Kazuhisa et al.
US 20030027950 A1	US- PGPUB	20030206	Component of catalyst for olefin polymerization	526/90	423/326; 502/152	Uchino, Hideshi et al.
US 20020181871 A1	US- PGPUB	20021205	Arrayed waveguide grating and its method for correcting center wavelength	385/37	385/24	Saito, Tsunetoshi et al.
US 20020176660 A1	US- PGPUB	20021128	Optical wavelength multiplexer/demultiplexer and use method thereof	385/24	385/39; 385/42	Saito, Tsunetoshi et al.
US 20020135056 A1	US- PGPUB	20020926	Semiconductor device and method of manufacturing the same	257/678	257/E21.502; 257/E23.126	Arai, Hiroshi et al.
US 20020134940 A1	US- PGPUB	20020926	Isotope gas measuring apparatus	250/339.13		Ohkubo, Kunihiko et al.
US	US-	20020801	Transmitter, receiver, and radio	455/118	455/120	Nakano, Hiroshi et al.

20020102951 A1	PGPUB		communications system and method			
US 20020041254 A1	US- PGPUB	20020411	Patch antenna with dielectric separated from patch plane to increase gain	343/700MS	343/702; 343/846	Nakano, Hiroshi et al.
US 20020038653 A1	US- PGPUB	20020404	Fuel supply system for vehicle	123/509	123/518	Kobayashi, Koki et al.
US 20020004447 A1	US- PGPUB	20020110	Olefin polymerization catalyst and method for polymerizing olefin using the same	502/81	502/102; 502/103; 502/62; 502/63; 502/80; 502/84; 526/160	Nakano, Hiroshi et al.
US 20020002420 A1	US- PGPUB	20020103	Numerically controlled curved surface machining unit	700/187	700/188; 700/189	Hirai, Junichi et al.
US 20020000115 A1	US- PGPUB	20020103	Odor measuring apparatus	73/23.34	73/31.06	Nakano, Hiroshi et al.
US 20010038404 A1	US- PGPUB	20011108	Inkjet recording head, piezoelectric vibration element unit used for the recording head, and method of manufacturing the piezoelectric vibration element unit	347/68		Kitahara, Tsuyoshi et al.
US 20010036350 A1	US- PGPUB	20011101	Fixed component and optical component employing the same	385/128	385/137; 385/37	Kashihara, Kazuhisa et al.
US 20010030366 A1	US- PGPUB	20011018	Semiconducting system and production method	257/758	257/700; 257/701; 257/751; 257/762; 257/763; 257/E21.174; 257/E21.175; 257/E21.579; 257/E21.584; 438/625; 438/627; 438/643; 438/653; 438/678; 438/687	Nakano, Hiroshi et al.
US 20010028762 A1	US- PGPUB	20011011	Dispersion compensator and dispersion-compensating module employing the same	385/37	385/27	Kashihara, Kazuhisa et al.
US 20010014719 A1	US- PGPUB	20010816	PROPYLENE BLOCK COPOLYMER AND RESIN COMPOSITION	525/323		SUZUKI, TORU et al.
US 7012964 B1	USPAT	20060314	Method and device for data transmission	375/240.28		Nakano, Hiroshi et al.
US 7011541 B2	USPAT	20060314	Connector	439/354		Matsunaga, Hideki et al.

US 7010971 B2	USPAT	20060314	Heating resistor type flow-measuring device having a heating resistor and a thermoresistance, whose resistance value varies in response to the ambient temperature	73/204.15	73/204.26	Matsumoto; Masahiro et al.
US 7008254 B2	USPAT	20060307	Connector	439/352		Matsunaga; Hideki et al.
US 6999845 B2	USPAT	20060214	Numerically controlled curved surface machining unit	700/189	318/570; 700/187; 700/28	Hirai; Junichi et al.
US 6973826 B2	USPAT	20051213	Heating resistance flow rate measuring apparatus	73/204.15		Matsumoto; Masahiro et al.
US 6966794 B2	USPAT	20051122	Connector supporting structure and a squeezed amount calculating method	439/545		Aoyama; Masahiko et al.
US 6965601 B1	USPAT	20051115	Data transmitting method and data transmitter	370/394	348/461; 370/473	Nakano; Hiroshi et al.
US 6942504 B2	USPAT	20050913	Connector	439/157		Shinozaki; Tetsuya et al.
US 6934601 B2	USPAT	20050823	Numerically controlled curved surface machining unit	700/194	318/570; 700/187; 700/193	Hirai; Junichi et al.
US 6875639 B2	USPAT	20050405	Semiconductor device and method of manufacturing the same	438/126	257/E21.502; 257/E23.126; 438/127	Arai; Hiroshi et al.
US 6861467 B2	USPAT	20050301	Powder coating composition	524/588	524/413; 524/437; 524/449; 525/474	Nakano; Hiroshi
US 6855952 B2	USPAT	20050215	Semiconductor device and semiconductor package	257/40	257/E23.167; 428/308.4; 428/318.6; 428/319.3; 428/319.9; 428/500; 428/521; 428/620; 524/423; 524/575	Nagai; Akira et al.
US 6830384 B2	USPAT	20041214	Optical fiber module	385/92	385/24	Hasegawa; Junichi et al.
US 6826332 B2	USPAT	20041130	Arrayed waveguide grating and its method for correcting center wavelength	385/37	385/14; 385/39; 385/46	Saito; Tsunetoshi et al.
US 6815357 B2	USPAT	20041109	Process and apparatus for manufacturing a semiconductor device	438/695	438/693; 438/697	Homma; Yoshio et al.
US 6808429 B2	USPAT	20041026	Connector and a connector assembly	439/752	439/489	Takada; Kiyokazu et al.
US 6769940 B2	USPAT	20040803	Connector	439/752		Nakano; Hiroshi
US 6769817 B2	USPAT	20040803	Optical fiber module	385/90	385/88; 385/89; 385/91	Saito; Tsunetoshi et al.

US 6735364 B2	USPAT	20040511	Arrayed waveguide grating optical multiplexer/demultiplexer and method for manufacturing the same	385/37	385/129; 385/130; 385/14; 385/31; 398/79; 398/82; 398/84	Kashihara; Kazuhisa et al.
US 6734382 B2	USPAT	20040511	Indicator portion forming method for push switch and push switch having an indicator portion	200/512	200/314; 200/341; 200/517	Arai; Hiroshi et al.
US 6718226 B2	USPAT	20040406	Method of providing data for numerical control machining unit	700/180	700/182	Arai; Hiroshi et al.
US 6680540 B2	USPAT	20040120	Semiconductor device having cobalt alloy film with boron	257/758	257/762; 257/E21.174; 257/E21.175; 257/E21.579; 257/E21.584; 427/126.6	Nakano; Hiroshi et al.
US 6677411 B2	USPAT	20040113	Component of catalyst for olefin polymerization	526/127	502/62; 502/80; 502/84; 526/126; 526/154; 526/155; 526/160; 526/943	Uchino; Hideshi et al.
US 6675061 B2	USPAT	20040106	Numerically controlled curved surface machining unit	700/189	318/568.15; 345/420; 345/442; 700/187	Hirai; Junichi et al.
US 6655363 B2	USPAT	20031202	Fuel supply system for vehicle	123/509	137/565.34; 180/219	Kobayashi; Koki et al.
US 6633036 B2	USPAT	20031014	Isotope gas measuring apparatus	250/339.13	250/343	Ohkubo; Kunihiro et al.
US 6587747 B2	USPAT	20030701	Numerically controlled curved surface machining unit	700/189	318/568.15; 345/420; 345/442; 700/187	Hirai; Junichi et al.
US 6584270 B2	USPAT	20030624	Fixed component and optical component employing the same	385/137	385/138	Kashihara; Kazuhisa et al.
US 6578953 B2	USPAT	20030617	Inkjet recording head, piezoelectric vibration element unit used for the recording head, and method of manufacturing the piezoelectric vibration element unit	347/68	347/70	Kitahara; Tsuyoshi et al.
US 6567587 B2	USPAT	20030520	Dispersion compensator and dispersion-compensating module employing the same	385/37		Kashihara; Kazuhisa et al.
US 6531552 B2	USPAT	20030311	Olefin polymerization catalyst and method for polymerizing olefin using the same	526/127	423/326; 423/327.1; 423/328.1; 502/118; 502/240; 502/63;	Nakano; Hiroshi et al.

					502/72; 502/73; 502/74; 502/80; 502/81; 502/83; 502/84; 502/87; 526/126; 526/154; 526/155; 526/160; 526/943	
US 6522829 B1	USPAT	20030218	Data reproducing apparatus, data recording and reproducing apparatus, data reproducing method and data recording and reproducing method	386/52	386/111	Muramatsu; Kenichi et al.
US 6492950 B2	USPAT	20021210	Patch antenna with dielectric separated from patch plane to increase gain	343/700MS	343/702	Nakano; Hiroshi et al.
US 6469100 B2	USPAT	20021022	Propylene block copolymer and resin composition	525/88	525/240; 525/322; 525/323; 526/943	Suzuki; Toru et al.
US 6439026 B2	USPAT	20020827	Odor measuring apparatus	73/23.34	422/98	Nakano; Hiroshi et al.
US 6418249 B1	USPAT	20020709	Optical multiplexer/demultiplexer	385/24	385/27; 385/37; 385/39	Nakamura; Shiro et al.
US 6415072 B1	USPAT	20020702	Optical wavelength multiplexing and dividing device	385/24	385/37	Hashizume; Naoki et al.
US 6404946 B1	USPAT	20020611	Arrayed waveguide grating type optical multiplexer/demultiplexer	385/24	385/37	Nakajima; Takeshi et al.
US 6393170 B1	USPAT	20020521	Optical multiplexer/demultiplexer	385/14	385/15; 385/24; 385/42; 398/79	Nakajima; Takeshi et al.
US 6374662 B1	USPAT	20020423	Devices and methods for measuring odor	73/23.34	422/99; 436/64	Oda; Ryutaro et al.
US 6360584 B1	USPAT	20020326	Devices for measuring gases with odors	73/23.34	205/787; 422/83	Okubo; Kunihiro et al.
US 6320695 B1	USPAT	20011120	Optical amplifying apparatus	359/341.33		Tanaka; Kanji et al.
US 6255436 B1	USPAT	20010703	Aromatic polycarbonate	528/196	528/198	Kimura; Masatoshi et al.
US 6231890 B1	USPAT	20010515	Suspension of sparingly water-soluble acidic drug	424/489	514/781; 514/785	Naito; Mayumi et al.
US 6101156 A	USPAT	20000808	Focus control device to perform focus control for a multi-layer recording medium	369/44.28	369/44.29; 369/94	Tanaka; Toshihisa et al.
US 6066207 A	USPAT	20000523	Powder coating booth	118/326	118/308; 118/312; 118/DIG.7; 427/425	Arai; Hiroshi et al.

US 6036214 A	USPAT	20000314	Bicycle with antitheft device	280/288.4	280/297; 70/233	Ono; Takao et al.
US 5992976 A	USPAT	19991130	Ink-jet printhead	347/50	347/68	Kimura; Hitotoshi et al.
US 5943525 A	USPAT	19990824	Toner remaining detection unit in an image forming apparatus	399/27	399/262; 399/61	Endo; Yoshinori et al.
US 5913097 A	USPAT	19990615	Developing device, image forming apparatus, and toner fillable cartridge that includes an agitator having a first medium and a second medium	399/256	366/309; 399/263	Nakano; Hiroshi et al.
US 5904091 A	USPAT	19990518	Picture engraving method and engraved picture bearing certificate	101/32	101/3.1; 358/1.9	Arai; Hiroshi
US 5890034 A	USPAT	19990330	Developing device for image forming apparatus and toner cartridge for use in the developing device	399/106	399/111; 399/262	Nakano; Hiroshi et al.
US 5879702 A	USPAT	19990309	Analgesic anti-inflammatory adhesive preparations	424/448	424/447; 424/449; 424/486	Sasaki; Yasuhiko et al.
US 5877605 A	USPAT	19990302	Servo device having plural servo systems	318/625	318/112; 318/35; 318/601; 318/619; 318/67	Arai; Hiroshi
US 5862111 A	USPAT	19990119	Optical disk device which performs auto gain control process on servo signals which perform illuminating control of a light beam on the disk's recording surface	369/44.36	369/116	Arai; Hiroshi
US 5842091 A	USPAT	19981124	Toner supplying device for use in image forming apparatus that maintains positional relations between supply roller and developing roller	399/258	399/111	Nakano; Hiroshi
US 5776484 A	USPAT	19980707	Analgesic anti-inflammatory adhesive plaster	424/448	424/449; 424/486	Sasaki; Yasuhiko et al.
US 5717815 A	USPAT	19980210	Compression data editing apparatus	386/53	386/111; 386/54	Nakano; Hiroshi et al.
US 5666305 A	USPAT	19970909	Method of driving ferroelectric gate transistor memory cell	365/145	257/295	Mihara; Takashi et al.
US 5649081 A	USPAT	19970715	Method and apparatus for pattern data processing	345/588	345/419; 345/427	Nakajima; Norihiro et al.
US 5642103 A	USPAT	19970624	Transponder used in a remote identification system	340/10.51	235/380; 235/491; 342/361; 342/44; 342/51	Tokuda; Masamori et al.
US 5609747 A	USPAT	19970311	Method of dissolving zinc oxide	205/246	205/244; 205/245; 205/305	Sakurai; Akio et al.
US 5566281 A	USPAT	19961015	Method and apparatus for generating a surface by simulating	345/420	345/442	Tokumasu; Shinji et al.

			a physical membrane			
US 5546109 A	USPAT	19960813	Filter device for ink jet printer	347/93	347/92	Nakano; Hiroshi
US 5540423 A	USPAT	19960730	Sheet feeding device having a plurality of rollers positioned side by side	271/10.12	271/10.11; 271/114; 271/119; 271/242; 271/270; 271/274; 347/104	Nakano; Hiroshi
US 5537523 A	USPAT	19960716	Method and apparatus for displaying altitude of form characteristics generated from a geometric model in a computer using a graph	345/440	345/440.2; 715/700; 715/964	Harashima; Ichiro et al.
US 5517319 A	USPAT	19960514	Apparatus for combining divided portions of larger image into a combined image	358/300	358/296; 358/450; 358/451	Arai; Hiroshi
US 5485560 A	USPAT	19960116	Displaying method and system for displaying an object by designating a state of display of the object	345/619	345/419; 715/526; 715/964; 719/320	Ishida; Tomotoshi et al.
US 5424880 A	USPAT	19950613	Information signal recording and reproducing apparatus capable of automatically adjusting phase variations	360/26	360/27	Nakano; Hiroshi et al.
US 5418287 A	USPAT	19950523	Resin composition comprising a polyphenylene ether composition, polyolefin and a styrene graft modified copolymer	525/68	525/132; 525/905	Tanaka; Tomohiko et al.
US 5409138 A	USPAT	19950425	Liquid supply device	222/64	222/189.06; 222/196; 222/DIG.1; 347/85; 347/87; 347/93	Nakano; Hiroshi
US 5403887 A	USPAT	19950404	Resin composition of a modified polyolefin and a polyamide or polyester	525/64	525/66	Kihira; Michiharu et al.
US 5378505 A	USPAT	19950103	Method of and apparatus for electrostatically spray-coating work with paint	427/484	118/302; 118/626; 427/485	Kubota; Toshio et al.
US 5369067 A	USPAT	19941129	Composite substrates and their production	501/119	501/12; 501/120; 501/122; 501/125; 501/128; 501/8; 501/9	Ismail; Morhudun G. M. U. et al.
US 5367961 A	USPAT	19941129	Pallet support leg including semi-circular flange blades	108/56.3	108/901	Arai; Hiroshi et al.
US 5346300 A	USPAT	19940913	Back fire helical antenna	343/895	343/860	Yamamoto; Hirohiko et al.
US 5341325 A	USPAT	19940823	Ferroelectric memory device with crosstalk protection in reading/writing operation	365/145	365/149; 365/175; 365/210	Nakano; Hiroshi et al.

US 5332788 A	USPAT	19940726	Process for producing graft-modified alpha-olefin copolymer	525/250	525/268; 525/288; 525/289; 525/309	Yokoyama; Masuzo et al.
US 5329485 A	USPAT	19940712	Memory device	365/145	365/189.01	Isono; Yasuo et al.
US 5327782 A	USPAT	19940712	Automatic brake shoe measuring apparatus for rolling stock	73/129	340/454; 348/142; 356/630	Sato; Hitoshi et al.
US 5313211 A	USPAT	19940517	Portable data processing device capable of transmitting processed data on a radio by reflection of unmodulated carrier signal externally applied	342/50	342/44; 342/51; 455/106	Tokuda; Masamori et al.
US 5277992 A	USPAT	19940111	Thermal transfer ink sheet	428/32.67	428/913	Shinohara; Satoru et al.
US 5252677 A	USPAT	19931012	Functionalized olefin polymers	525/333.9	525/333.7; 526/160; 526/170; 526/348.2; 526/348.4; 526/348.6; 526/348.7; 526/351	Tomita; Masayuki et al.
US 5237807 A	USPAT	19930824	Spinning machine	57/261	188/158; 57/264; 57/268; 57/81	Iwade; Takashi et al.
US 5229093 A	USPAT	19930720	Method for making mullite whiskers using hydrofluoric acid	423/327.2	117/7; 117/75; 117/87; 117/942; 423/328.2; 501/68; 502/64	Ismail; M. G. M. U. et al.
US 5223576 A	USPAT	19930629	Thermoplastic resin composition	525/133	525/132; 525/905	Nakano; Hiroshi et al.
US 5220202 A	USPAT	19930615	Memory device and memory apparatus using the same suitable for neural network	706/38	365/45; 706/33	Isono; Yasuo et al.
US 5216447 A	USPAT	19930601	Recording head	347/59		Fujita; Kei et al.
US 5202193 A	USPAT	19930413	N-substituted acrylamide copolymer	428/479.6	428/304.4; 428/316.6; 428/474.4	Sumi; Hideyuki et al.
US 5191030 A	USPAT	19930302	Process for producing amino group terminated polyphenylene ether	525/390	525/905	Ohmura; Haruo et al.
US 5177156 A	USPAT	19930105	Process for producing silane-modified polyphenylene ether and thermoplastic resin composition containing the same	525/393	525/100; 525/390; 525/396; 525/420; 525/437	Aritomi; Mitsutoshi et al.
US 5155694 A	USPAT	19921013	Apparatus for measuring groove positions of a workpiece	702/167	33/501.15; 33/554;	Yoneda; Takao et al.

					702/151	
US 5079822 A	USPAT	19920114	Method of assembling automotive body and body panels, apparatus for removing and installing body panels, and feed jig for feeding body panels	29/430	29/431; 29/527.2; 29/771; 29/783; 29/787; 29/791	Arai; Hiroshi et al.
US 5077762 A	USPAT	19911231	Charge transfer device having MIM structures and method for driving the same	377/57	257/222; 257/249; 257/30; 257/E45.001; 365/183; 377/60; 377/61	Morimoto; Masamichi et al.
US 5075162 A	USPAT	19911224	Molded laminated article of cross-linked polyolifine foam	428/304.4	428/308.4; 428/314.4; 428/317.1; 428/318.6; 428/319.7	Okubo; Shunji et al.
US 5037890 A	USPAT	19910806	Process for producing graft-modified .alpha.-olefin copolymer	525/250	525/268; 525/270; 525/319; 525/320; 525/322; 525/324	Yokoyama; Masuzo et al.
US 5028992 A	USPAT	19910702	Image combining apparatus for a digital color copier	358/540	358/300; 358/501	Arai; Hiroshi
US 5025261 A	USPAT	19910618	Mobile object navigation system	342/357.09		Ohta; Tomozo et al.
US 5021790 A	USPAT	19910604	Microwave data transmission apparatus	342/44	342/188	Ohta; Tomozo et al.
US 5003498 A	USPAT	19910326	Graphic display method	345/420	345/427	Ota; Yoshimi et al.
US 5001807 A	USPAT	19910326	Dust collector	15/347	15/352	Arai; Hiroshi
US 4988937 A	USPAT	19910129	Synchronous control system and method therefor	318/675	318/41; 318/603; 318/61; 318/77; 318/85	Yoneda; Takao et al.
US 4985495 A	USPAT	19910115	Resin composition	525/68	525/250; 525/263; 525/316; 525/323; 525/905; 525/92D	Nishio; Takeyoshi et al.
US 4958451 A	USPAT	19900925	Motorcycle license plate mounting mechanism	40/204		Iwakura; Masato et al.
US 4936504 A	USPAT	19900626	Process for producing a clad plate	228/190	228/127; 228/173.2; 228/193; 228/235.1	Arai; Hiroshi et al.
US 4926182 A	USPAT	19900515	Microwave data transmission apparatus	342/44	342/51	Ohta; Tomozo et al.
US 4911818	USPAT	19900327	Method and apparatus for surface	204/479	118/409;	Kikuchi; Uhee et al.

A			treatment on automotive bodies		118/412; 118/416; 118/423; 204/198; 204/202; 204/484; 204/625	
US 4890076 A	USPAT	19891226	Reflection type SSB modulator	332/170	332/175; 455/109	Higashi; Kazutada et al.
US 4878746 A	USPAT	19891107	Surgical microscope apparatus	359/368	340/641; 340/642	Nakano; Hiroshi et al.
US 4874436 A	USPAT	19891017	Method for producing high purity electrolytic copper	148/554	148/404; 164/476; 164/488; 164/490; 205/342; 205/574; 72/205; 72/224; 75/733	Ogata; Takashi et al.
US 4864637 A	USPAT	19890905	FMX stereophonic broadcast receiver	455/205	329/316; 370/204; 381/2; 455/214	Ishikawa; Tsutomu et al.
US 4852167 A	USPAT	19890725	FMX stereophonic receiver	381/13	381/106	Usui; Noboru et al.
US 4848038 A	USPAT	19890718	Method for grinding a non-circular workpiece	451/5	451/251; 451/62; 700/164	Maruyama; Toshio et al.
US 4846904 A	USPAT	19890711	Martensitic stainless steel having excellent hardness by subzero treatment	148/325	148/326; 148/327	Arai; Hiroshi et al.
US 4809328 A	USPAT	19890228	FM/FMX stereophonic receiver	381/13	381/106	Usui; Noboru et al.
US 4806927 A	USPAT	19890221	Communication control method	370/453		Arai; Hiroshi
US 4803115 A	USPAT	19890207	Glass fiber-reinforced electrical laminates and a continuous production method therefor	442/234	428/415; 428/416; 428/417; 428/418; 428/431; 428/432; 428/457; 428/482; 442/235; 442/246; 442/247; 442/251	Fushiki; Yasuo et al.
US 4792369 A	USPAT	19881220	Copper wires used for transmitting sounds or images	148/404	148/432; 420/469; 420/497; 420/500	Ogata; Takashi et al.
US 4786851 A	USPAT	19881122	Battery charger	320/101	136/258; 136/291; 136/293;	Fuji; Sadao et al.

					257/458; 257/77; 320/DIG.19	
US 4771819 A	USPAT	19880920	Manufacturing apparatus for sheet metal according to continuous casting	164/428	164/337; 164/439	Toyama; Naoto et al.
US 4757539 A	USPAT	19880712	Apparatus and method for decoding an AM stereo broadcasting signal of an independent sideband system	381/15		Tanaka; Kanji et al.
US 4728592 A	USPAT	19880301	Electrophotoconductor with light-sensitive layer containing alpha-type titanyl phthalocyanine	430/58.45	430/58.65; 430/76; 430/78	Ohaku; Kenichi et al.
US 4707856 A	USPAT	19871117	AM stereo receiver	381/15	324/76.47; 324/76.55	Tanaka; Kanji et al.
US 4694233 A	USPAT	19870915	Numerical control apparatus for machine	318/569	235/10; 318/590; 318/600	Yoneda; Takao et al.
US 4672446 A	USPAT	19870609	Television receiver having interlaced scanning with doubled field frequency	348/447	348/910	Ikeda; Yasunari et al.
US 4654888 A	USPAT	19870331	Image suppression mixer of the waveguide type	455/328	455/302; 455/317; 455/330	Ohta; Tomozo et al.
US 4653799 A	USPAT	19870331	Apparatus for housing electrical wiring extending between a vehicle door and a vehicle body	296/146.12	16/223; 16/370; 174/86; 296/208; 49/167; 49/248	Arai; Hiroshi et al.
US D288796 S	USPAT	19870317	Motorcycle	D12/110		Nakano; Koji et al.
US 4592316 A	USPAT	19860603	Air funnel assembly	123/195C	123/195A; 123/198E; 181/229; 55/385.3	Shiratsuchi; Kouji et al.
US 4587500 A	USPAT	19860506	Variable reactance circuit producing negative to positive varying reactance	333/213	330/257; 333/214; 333/216	Tanaka; Kanji et al.
US 4539592 A	USPAT	19850903	Double-scanning non-interlace television receiver	348/448	348/525	Tanaka; Yutaka et al.
US D277952 S	USPAT	19850312	Shock absorber for motorcycle	D12/159		Nakano; Hiroshi et al.
US 4481880 A	USPAT	19841113	Dot printer	101/93.04	101/93.05; 400/323; 400/352; 400/82	Kurosawa; Makoto et al.
US 4479430 A	USPAT	19841030	System of discriminating the kinds of type carriers	101/93.14	101/111	Nakano; Hiroshige et al.
US 4473313 A	USPAT	19840925	Timing control method for controlling reciprocating print head	400/322	101/93.04	Nakano; Hiroshige et al.
US 4473006 A	USPAT	19840925	System for discriminating among different kinds of type carriers	101/93.14	101/111	Nakano; Hiroshige et al.
US D274421	USPAT	19840626	Motorcycle	D12/110		Iwakura; Masato et al.

S						
US 4426788 A	USPAT	19840124	Inclinometers	33/395	33/399; 33/401	Hirose; Hisashi et al.
US 4413424 A	USPAT	19831108	Azimuth determinating apparatus	33/361	33/356; 33/363Q; 702/150	Sasaki; Hiroaki et al.
US 4400779 A	USPAT	19830823	Method and apparatus for indicating mileage corresponding to remaining fuel for vehicles	701/123	73/114	Kosuge; Shuichi et al.
US 4399325 A	USPAT	19830816	Demodulating circuit for controlling stereo separation	381/11		Tanaka; Kanji et al.
US 4393047 A	USPAT	19830712	Antibiotic cytophagin and a process for producing the same	424/118	435/170; 435/71.3; 435/822	Umezawa; Hamao et al.
US 4389639 A	USPAT	19830621	Voice warning device using entertainment speaker	340/692	340/460; 340/531; 340/870.09; 381/10; 381/123; 381/86; 455/137; 455/149; 455/227	Torii; Taketsugu et al.
US 4384520 A	USPAT	19830524	Device for controlling solenoids of high speed printer	101/93.03	400/157.3	Nakano; Hiroshige et al.
US 4315297 A	USPAT	19820209	Hammer drive safety device for printer	361/191	101/93.29; 361/86; 361/93.1; 361/98	Kobayashi; Tsuneki et al.
US 4286517 A	USPAT	19810901	Printer magnetic interference prevention system	101/93.14	101/93.09; 101/93.29; 361/191	Katagiri; Shigenobu et al.
US 4278021 A	USPAT	19810714	Magnetic interference prevention system	101/93.29	101/93.03; 101/93.14; 361/191	Nakano; Hiroshige et al.
US 4236447 A	USPAT	19801202	Printing column number limiting device	101/93.14	101/93.09; 101/93.29; 178/23R	Matsuzaki; Kazuo et al.
US 4225767 A	USPAT	19800930	Microwave oven having uneven bottom wall oven cavity	219/754	219/745; 219/756	Hatanaka; Takayoshi et al.
US 4184102 A	USPAT	19800115	Flashing and sound generating lamp	315/47	315/50; 315/72	Arai; Hiroshi
US D252325 S	USPAT	19790710	Motorcycle	D12/110		Hori; Makoto et al.
US 4113280 A	USPAT	19780912	Seat belt device for use in vehicle	297/475		Arai; Hiroshi et al.
US 4107646 A	USPAT	19780815	Centralized warning system for vehicle	340/459	340/517	Arai; Hiroshi et al.
US 4107493 A	USPAT	19780815	Radiator cap	200/84C	137/558; 340/624; 73/308	Nagara; Toshio et al.
US 4101170 A	USPAT	19780718	Seat belt device for use in vehicle	297/475	24/114.5; 297/483	Mori; Mamoru et al.
US 4054781 A	USPAT	19771018	Method and apparatus for instantaneously measuring and	701/123	73/114	Kuno; Akira et al.

			indicating fuel consumption rate			
US 4046998 A	USPAT	19770906	Possible vehicle running distance indication	701/123	377/24; 377/24.1; 377/49; 73/113	Kuno; Akira et al.
US 4034336 A	USPAT	19770705	Electronic monitor system for automobiles	340/459	340/3.43; 340/3.7	Arai; Hiroshi
US 4033634 A	USPAT	19770705	Antiskid control device for vehicles	303/158		Arai; Hiroshi et al.
US 4027926 A	USPAT	19770607	Anti-skid control system for vehicles	303/193	188/181C	Arai; Hiroshi et al.
US 4026146 A	USPAT	19770531	Fuel consumption measuring device	73/113		Kuno; Akira et al.
US 4016534 A	USPAT	19770405	Indicator device for automobiles	340/461	340/501; 340/520; 340/525; 340/815.53; 340/815.63	Kobayashi; Ikuya et al.
US 4013947 A	USPAT	19770322	Central coupler for a centralized monitor system for motor vehicles	324/503	324/133; 340/459; 340/515; 340/524	Arai; Hiroshi
US 4012948 A	USPAT	19770322	Fuel consumption measuring device	73/113	73/119A	Kuno; Akira et al.
US 4006448 A	USPAT	19770201	Centralized monitor system for motor vehicles	340/459	340/507; 340/517; 340/524	Arai; Hiroshi et al.
US 4004269 A	USPAT	19770118	Brake lining wear warning system	340/454	188/1.11L; 188/1.11R; 200/61.4	Arai; Hiroshi et al.
US 4002062 A	USPAT	19770111	Average fuel consumption rate measuring system	73/114	377/24; 377/24.1; 377/47	Kuno; Akira et al.
US 3986093 A	USPAT	19761012	Passive seatbelt system	318/484	180/272; 280/802; 318/467	Wakamatsu; Hisato et al.
US 3964017 A	USPAT	19760615	Test system for skid control apparatus	340/453	188/181R; 303/122.08; 303/DIG.4	Arai; Hiroshi et al.
US 3952286 A	USPAT	19760420	Time multiplexed electric wiring system for control and monitoring of field points	340/3.42	340/3.21; 340/3.54; 340/825.21	Wakamatsu; Hisato et al.
US 3944969 A	USPAT	19760316	Central warning apparatus for vehicles	340/459	340/516	Arai; Hiroshi et al.
US 3939470 A	USPAT	19760217	Liquid level detecting and indicating system for vehicle	340/450	123/196S; 123/41.15; 200/187; 200/190; 340/450.3; 340/622	Arai; Hiroshi et al.
US 3937105 A	USPAT	19760210	Automatic transmission system for use with automobiles	477/125	477/906	Arai; Hiroshi et al.
US 3916375 A	USPAT	19751028	Centralized warning system for vehicles	340/461	340/316; 340/501; 340/519;	Sumiyoshi; Masaharu et al.

					340/521; 340/524; 340/691.3; 340/691.7	
US 3846747 A	USPAT	19741105	DEVICE FOR DETECTING AND INDICATING QUANTITY OF ENGINE OIL	340/450.3	340/622	Arai; Hiroshi et al.
US 3830018 A	USPAT	19740820	SAFETY DEVICE FOR POWER WINDOW	49/28	200/61.43	Arai; Hiroshi et al.
US 3826541 A	USPAT	19740730	VEHICLE BRAKE SYSTEMS USING SKID CONTROL DEVICES	303/115.4	303/10; 303/900	Arai; Hiroshi et al.
US 3811739 A	USPAT	19740521	BRAKE SYSTEM WITH SKID CONTROL	303/171	188/181C; 188/181R	Nakamura; Akira et al.
US 3807811 A	USPAT	19740430	ANTI-SKID CONTROL SYSTEM FOR VEHICLES	303/171	188/181C; 188/181R	Nakamura; Akira et al.
US 3798596 A	USPAT	19740319	CENTRALIZED WARNING SYSTEM FOR VEHICLES	340/461	340/316; 340/501; 340/519; 340/521; 340/524; 340/691.3	Sumiyoshi; Masaharu et al.
US 3792642 A	USPAT	19740219	SYSTEM FOR ELECTRICALLY CONTROLLING THE MOVEMENT OF A LOAD FOR STOPPING SAME AT ONE OF A PLURALITY OF PREDETERMINED POSITIONS	91/51	91/357; 91/459	Arai; Hiroshi et al.
US 3789461 A	USPAT	19740205	APPARATUS FOR PREPARING SPUN YARN	19/35	19/244	Nakano; Hiroshi et al.
US 3776357 A	USPAT	19731204	ANTI-SKID CONTROL SYSTEM	180/197	180/335; 188/181C; 188/181R; 303/139	Arai; Hiroshi et al.
US 3757133 A	USPAT	19730904	CONTROL FOR AUTOMATIC TRANSMISSION	307/116	335/206	Arai; Hiroshi et al.
US 3748856 A	USPAT	19730731	HYDRAULIC CONTROL SYSTEM FOR AUTOMATIC TRANSMISSION	60/357	60/339; 60/347	Uozumi; Somio et al.
US 3748567 A	USPAT	19730724	STORAGE BATTERY CHARGING DEVICE	320/139	320/163	Arai; Hiroshi et al.
US 3745522 A	USPAT	19730710	MONITORING SYSTEMS AND ANTISKID DEVICES OF VEHICLES	340/453	303/122.05	Inada; Masami et al.
US 3741584 A	USPAT	19730626	DEVICE FOR INFLATING A SAFETY BAG FOR VEHICLE PASSENGERS	280/735	137/51; 180/169; 342/72	Arai; Hiroshi
US 3725858 A	USPAT	19730403	VEHICLE SKID CONTROL DEVICE	340/453	188/181R; 303/155	Arai; Hiroshi et al.
US 3714458 A	USPAT	19730130	METHOD FOR SUPPLYING ROTATIONAL SPEED SIGNALS	307/120	324/174; 361/239	Arai; Hiroshi et al.
US 3707097 A	USPAT	19721226	CONTROL FOR AUTOMATIC TRANSMISSION	477/164	307/116; 477/156	Arai; Hiroshi et al.
US 3703702	USPAT	19721121	AIR BAG SAFETY DEVICE	280/735	342/171;	Arai; Hiroshi

A			DEVICE FOR VEHICLE PASSENGERS		342/72	
US 3696717 A	USPAT	19721010	APPARATUS FOR PRINTING RAILWAY TICKETS AND THE LIKE	399/187	355/28; 355/40; 355/50; 355/67; 396/551; 396/559	Honma; Tsutomu et al.
US 3651389 A	USPAT	19720321	SAFETY DEVICE FOR USE WITH AUTOMATIC AUTOMOBILE WINDOW REGULATOR	318/266	318/286; 318/466	Ito; Shigehiko et al.
US 3596458 A	USPAT	19710803	SPUN YARN OF ELASTIC FIBER AND PREPARATION THEREOF	57/2	139/420R; 19/46; 57/12; 57/225; 57/254; 57/255; 57/309; 57/315	Nakano; Hiroshi et al.
US 3558972 A	USPAT	19710126	EMERGENCY LIGHTING SYSTEM FOR USING AUXILIARY LIGHT SYSTEM	315/83	315/77; 315/82; 340/642	Arai; Hiroshi
US 3520762 A	USPAT	19700714	PILE FABRIC [TEXT AVAILABLE IN USOCR DATABASE]	428/91	112/410; 28/162; 428/92	SUMA YASUNORI et al.
US 3516241 A	USPAT	19700623	PROCESS FOR THE MANUFACTURE OF CRIMPED SPUN YARN [TEXT AVAILABLE IN USOCR DATABASE]	57/2	19/35; 28/269; 57/315	TAKAI HIDEO et al.